

What is claimed is:

1. (Currently Amended) A process for applying digital images to straps, wherein a process where straps are manufactured with an ordinary weave or with a special weave, able to receive a bleaching treatment with an optical white and a thermo-fixation process, creating an alteration at the material properties, and, after duly treated, the straps are wound in reels of specific sizes to allow the images previously printed in paper to be continuously transferred to them with digital quality, said straps being cut in a cutting equipment, being that the paper reel is assembled at said equipment inlet site, said paper reel being unwound over a flat table, upon which, is provided a mobile cutting head doted with a series of vertical knives and optical sensors at one of its ends, said optical sensors identifying a printed line on the paper of a specific color, in a way that the referred optical sensors are connected to a computer central, which coordinates the displacement of the cutting head, being able to displace it to any positioning or placement variation of said line, obeying a preset safety margin at each one of its sides forming the paper reels, which are placed at the printing machine along with the reel of synthetic material straps, being that straps printing stage, which can be applied on both sides/ faces of the straps during one single operation, for such operation, at the said inlet site of the printing machine it is provided with an alignment device, which has a specific shape to enable the passage of the papers and the straps, aligning the same and leading them to the inside of the printing machine, where two calander cylinders one for each side of the straps, are provided in a way for presenting drawings perfectly symmetrical on both sides/ faces and, for that, between the cylinders it is provided an element to keep the temperature steady that keeps the straps temperature along its passage from one cylinder to the other, maximizing the printing procedure and preventing the straps from shrinking, and at the back side of the referred machine, the papers already used are once again wound into reels, which shall be discarded and the straps, already printed on both sides/ faces is duly wound into another reel which is duly cut in the desired length by an ultrasound cutting machine, forming small reels.

2. (Currently Amended) The process for applying digital images to straps, according claim 1, wherein a cutting equipment where said cutting equipment, with an inlet site, having a flat table, on which a cutting head is provided, that is laterally mobile, doted with a series of vertical knives and, at one of its ends, a pair of optical sensors are duly connected to a computer central which coordinates said head\.
3. (Currently Amended) The process for applying digital images to straps, according claim 1, wherein a printing machine where said printing machine is doted with an inlet site for assembling the reels, where the alignment device that leads into the inside of said machine, where two calander cylinders are provided and, between such cylinders it is provided an element to keep the temperature steady, being doted with stretchers and leading devices which leads to the outlet site where other reels are wound with the printed material.
4. (Currently Amended) The process for applying digital images to straps, according claim 1, wherein an ultrasound cutting machine where said ultrasound cutting machine cuts the reels in their lengths, according to the application given to the resulting small reels of straps.
5. (Currently Amended) The process for applying digital images to straps, according claim 1, wherein a process of obtaining straps, where said process of obtaining said straps is achieved by the manufacture of straps with an ordinary weave or with an special weave, printed on both faces with digital quality images, obtained in one single continuous printing process, where said straps are wound into reels and further cut in length forming reels, which sizes are dependent of their application.
6. (New) Process for transferring digital images from a paper web onto a textured polymeric strap and comprising:
  - providing the textured polymeric strap on a reel,
  - treating the straps with a bleaching agent,
  - providing a paper web having digital images imprinted thereon,

and having machine readable markers on the paper web to identify discrete digital images and the colors thereof,

unwinding the strap from its reel and providing the paper web in accurately indexed relationship onto a surface of the strap,

applying heat to the web and the strap and calendering the juxtaposed strap and web to transfer the digital images from the paper web onto the textured strap surface, and

separating the strap from the web for rewinding onto a storage reel without the paper tape.

7. (New) The combination according to claim 6 wherein slitting the strap lengthwise to form side by side belts, said strap being calandered prior to such slitting step, said belts being wound onto separate reels for storage following such slitting step.

8.(New) The combination according to claim 6 wherein providing a second paper web with digital images and identification markers, and providing the second web on an opposite surface of the strap, followed by providing said second paper web between said calendering rolls along with said first web to transfer images from the paper webs onto both surfaces of said strap.

9. (New) The combination according to claim 8 wherein slitting the strap to form side by side belts after said calendering step.

10. (New) The combination according to claim 9 wherein deploying said belts between crowd control pedestals for displaying advertising images thereon.